

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A torque meter, comprising:

an elastic member arranged in a power transmission channel and deforming in response to

a torque to be measured; [[and]]

a torque detection arrangement detecting the torque based on deformation of the elastic member; ~~the torque detection arrangement includes:~~

a torque member receiving the torque applied to the elastic member; and
a load member arranged separate from the torque member, the load member supporting a load of the elastic member,

~~wherein the elastic member is a flange type member,~~

wherein the torque member and the load member are thin parts formed of the elastic member,

wherein the torque member has a direction of a surface of the thin part positioned parallel to a direction of torque ~~a thin part serving as a torque member is arranged such that an in-plane direction of the thin part is parallel to a direction of the torque, [[and]]~~

wherein the load member has a direction of a thickness of the thin part positioned parallel to the direction of torque ~~a thin part serving as a load member is arranged such that a direction of a thickness of the thin part is parallel to the direction of the torque, and~~

~~wherein the torque detection arrangement is mounted to each of the torque member and the load member.~~

2. (Currently Amended) A torque meter, comprising:

an elastic member arranged in a power transmission channel and deforming in response to a torque to be measured; [[and]]

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a torque detection arrangement detecting the torque based on deformation of the elastic member; ; the torque-detection arrangement includes:

a torque member receiving the torque applied to the elastic member; and
a load member arranged separate from the torque member, the load member supporting a load of the elastic member; [[and]]
wherein the elastic member is a torsion-bar-type member torsion bar,
wherein the torque member is shaped as a small-diameter shaft part axially extending in a central portion of the torsion bar,
wherein the shaft has a diameter smaller than that of the torsion bar, and
wherein the load member is a thin part formed around the torque member in a radial direction of the small-diameter shaft part thereof and arranged such that an out-of-plane direction of the thin part lies having a direction of a surface positioned in a direction of a torsional moment.

3. (Currently Amended) A torque meter, comprising:

an elastic member arranged in a power transmission channel and deforming in a response to a torque to be measured, wherein the elastic member is cylindrical and includes a pair of disks; [[and]]
a torque detection arrangement detecting the torque based on deformation of the elastic member; ; the torque-detection arrangement includes:
a torque member that connects the pair of disks and receives receiving the torque applied to the elastic member; and
a load member that is arranged separate from the torque member to connect the pair of disks, the load member supporting a load of the elastic member; [[and]]
wherein the elastic member is a cylindrical member,
wherein the torque member is a thin part that is a section of a cylinder arranged in a circular-arc direction, and
wherein the load member is a thin part arranged in a radial direction.

4. (Cancelled)

5. (Currently Amended) The torque meter according to claim 1, wherein the torque detection arrangement [[is]] uses at least two types of torque detection arrangements.
6. (Original) The torque meter according to claim 2, wherein the torque detection arrangement is mounted to at least one of the torque member and the load member.
7. (Original) The torque meter according to claim 3, wherein the torque detection arrangement is mounted to at least one of the torque member and the load member.
8. (Original) The torque meter according to claim 2, wherein the torque detection arrangement uses at least two types of torque detection arrangements.
9. (Currently Amended) The torque meter according to claim 3, wherein the torque detection arrangements arrangement uses at least two types of torque detection arrangements.
10. (Currently Amended) The torque meter according to claim 1 [[4]], wherein the torque detection arrangement uses at least two types of torque detection arrangements.